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INNOVATIONS

The PACIFIC e-HEALTH INNOVATION CENTER at Tripler AMC

"The Center of Excellence in Healthcare IM/IT"

Susan Onuma

Program Manager and Army Nurse Corps officer, COL Rosemary Nelson, is assigned to USAMISSA, reporting to MG John Parker, Commander, Medical Research and Material Command (MRMC), and is responsible for managing the activities of the PACIFIC e-HEALTH INNOVATION CENTER (P-eIC), Tripler Army Medical Center (TAMC), Hawaii. The P-eIC focuses on the prototyping, demonstration and validation of telehealth initiatives carried out in the only TriService telemedicine testbed in the Pacific.

"The project undertaken by P-eIC are highly visible research and development (R&D) efforts centered on direct patient care applications in diagnostic, screening and treatment via telehealth technology. This effort has delivered several successful prototypes that have greatly

improved the delivery of healthcare in the Pacific," stated COL Nelson.

With the vision of leading a global revolution in public and private healthcare delivery through universal access to expertise using innovative processes and state-of-the-art technology, the center is currently involved in over 25 R&D studies investigating the clinical utility and clinical efficacy of technology innovation and insertion in the healthcare delivery process in the Pacific.

PACMEDNET, a risk mitigation initiative for the Composite Healthcare System (the DoD healthcare information system), prototypes, demonstrates and validates leading edge and emerging technologies. These leading edge capabilities include Master Patient Index, Master Patient Locator, Master User Index, Off-board Server, Interface Engine, SmartCard technology, standard Zulu date/time transaction stamping, the Transportable Computer-based Patient Record (Patient Abstract) as an object architecture and other engineering tasks.

Since the Pacific area of responsibility comprises 52% of the world's surface, accounts for 70% of the natural disasters, contains 7 of the world's 10 largest armies, and geographically spans from the coast of Africa to the tip of Madagascar,

the clinical challenges and opportunities to leverage technology are tremendous. Some of the initiatives underway include behavioral health projects, electronic consultation and referral projects, and the development of multimedia telemedicine systems using store-and-forward technology. A non-invasive, near real-time diagnostic method that differentiates normal from dysplastic tissue in order to detect pre-cancerous lesions of the cervix, has evolved from another research project.

P-eIC intends to increase its base of strategic alliances and partnerships with particular focus on technology transfer and dual-use initiatives with public and private enterprises. The current P-eIC agenda includes the creation of a formalized structure and process for the appropriate transfer of federally -owned or -originated technology to state and local governments and the private sector. This dissemination of technical information and innovation supports Public Law 99-502, the Federal Technology Transfer Act of 1986, and Executive Orders 12591 and 12618, that embrace the transfer of Federally funded technology, facilitating access to science and technology. As noted above, P-eIC projects have resulted in several successful prototypes and business practice changes that could be reused in other environments. Supported by MG Parker and his staff, COL Nelson is preparing to execute a major initiative in dual-use and technology transfer in telehealth in FY00. For more information on P-eIC and its telehealth projects, visit the P-eIC website at

(<http://prpo.tamc.amedd.army.mil>) or call CPT Kinsey McFadden or COL Nelson at 808-433-3645/3600 ☎



P-eIC wins a number of national awards for its efforts in Telehealth research

Susan Onuma

Over the past several months, many outside organizations have recognized the key accomplishments made by P-eIC. These honors have served to gain the organization national recognition, citing contributions to mission accomplishment, cost-effectiveness, service to the public, and demonstrated operational and technical excellence. Awards include: The Government Technology Leadership Award, presented to the Internet Tumor Board- Sponsor: *Government Executive Magazine*; CIO Magazine's Enterprise Value Award, awarded to the Internet Tumor Board- Sponsor: *CIO Magazine*; The Technology Excellence in Government Award, presented to P-eIC for its Theater Telemedicine Prototype Project (T2P2)- Sponsor: *Government Computer News*; PACMEDNET received the e-Gov Pioneer Award-

Upcoming Events

09 - 11 October 2000

Honolulu, HI

Global Disaster Information Network Conference

Dedicated to emergency management information technologies. See us there! For more information call 808-433-3600.

31 October - 03 November 2000

Los Angeles, CA

Telehealth 2000 Conference

Sponsored by HIMSS. See P-eIC in booth # . For more information call 808-433-3600.

05 - 10 November 2000

Las Vegas, NV

Association of Military Surgeons of the U.S. (AMSUS) 107th Annual Meeting

P-eIC participates in AMSUS in booth #135 & 137. For more information call 808-433-3600.

06 - 07 December 2000

Honolulu, HI

ITEC Hawaii Technology Showcase

Hawaii Technology and the P-eIC. For more information call 808-433-3600.

22-25 January 2001

Washington, D.C.

TRICARE Conference

For more information call 808-433-3600.

Sponsors: IT Direct & Andersen Consulting.

P-eIC helps celebrate grand opening of new medical clinic at Schofield Barracks

Cynthia Kohuth, R.N.

The PACIFIC e-HEALTH INNOVATION CENTER (P-eIC), Tripler Army Medical Center participated in the celebration of the grand opening of the new Tropic Lightning Troop Medical Clinic at Schofield Barracks. P-eIC demonstrated a new system designed to offer Schofield service personnel convenient access to the medical specialists located at Tripler through teleconsultation methods, increasing the quality of care received and reducing the number of man-days lost.

The demonstration of this capability was offered by Cynthia

Kohuth R.N., Telemedicine Clinical Director for P-eIC.

The new Tropic Lightning Troop Medical Clinic resides in Building No. 677 at Schofield, and is home to the combined TAMC1, TAMC3 and Aviation Medical Units. ❀



P-eIC participates in Henry Ford Health Systems project

Linda Albritton

The PACIFIC e-HEALTH INNOVATION CENTER has recently become involved in the Henry Ford Health System Collaboration Effort. This collaborative effort between HFHS and the DoD (the Tri-Service Committee, the Clinical Business Area, The Corporate Executive Information System, Military Department Representatives, Tripler Army Medical Center, including P-eIC, Information Management Division, Utilization Management Department and PACMEDNET) will prototype, demonstrate, and validate technologies, architectures, and processes to support healthcare services to include the automation of clinical practice guidelines (CPG). The goal of the Clinical Practice Guideline Automation Project is to implement automated CPGs and demonstrate resulting improvement in patient care and outcomes.

P-eIC has a leadership role in this effort in the areas of simulation development and evaluation, telemedicine template development, the implementation of automated CPG tools, and outcome management on individuals/population. P-eIC will also lead the development of a "Best Practices Guide", which will outline "lessons learned" concerning the automation of clinical practice guidelines. ❀

P-eIC "In the News".....

Military Medical Technology

U.S. Senator Daniel Inouye talks about the development of technology and healthcare systems, citing Tripler AMC and the PACIFIC e-HEALTH INNOVATION CENTER in an interview in Volume 2, Issue 3 of the magazine.

CIO Magazine

The February 2000 issue of CIO Magazine features the PACIFIC e-HEALTH INNOVATION CENTER as a winner of its coveted Enterprise Value Award, for the Internet Tumor Board project. The Award was presented to Major General Nancy R. Adams, at an awards banquet held in Tucson AZ.

Military Medical News

In the June 2000 issue of Military Medical News, the PACIFIC e-HEALTH INNOVATION CENTER earns full-page coverage for winning the e-Gov Pioneer Award 2000, for its PACMEDNET project.

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